Contents of Volume 55

Number 1+2, October 1992

Invasion of hereditary ovalocytes by *Plasmodium falciparum* in vitro and its relation to intracellular ATP concentration
A.R. Dluzewski, G.B. Nash, R.J.M. Wilson, D.M. Reardon and W.B. Gratzer (UK) 1
A transferrin-independent iron uptake activity in *Plasmodium falciparum*-infected and uninfected erythrocytes
R. Sanchez-Lopez and K. Haldar (USA) 9
The electrochemical proton gradient in the bloodstream form of *Trypanosoma brucei* is dependent on the temperature
B.H. Ter Kuile, E.A.C. Wiemer, P.A.M. Michels and F.R. Opperdoes (Belgium) 21
Cloning and characterisation of members of a family of *Babesia bigemina* antigen genes containing repeated sequences
M.W. Kung'u, B.P. Dalrymple, I.G. Wright and J.M. Peters (Australia) 29
A multicopy, extrachromosomal DNA in *Leishmania infantum* contains two inverted repeats of the 27.5-kilobase LD1 sequence and encodes numerous transcripts
C.A. Tripp, W.A. Wisdom, P.J. Myler and K.D. Stuart (USA) 39
Molecular characterization of two genes encoding members of the glucose transporter superfamily in the parasitic protozoan *Leishmania donovani*
C.K. Langford, S.A. Ewbank, S.S. Hanson, B. Ullman and S.M. Landfear (USA) 51
Dynamics and size polymorphisms of minichromosomes in *Leishmania major* LV-561 cloned lines
M. Navarro, R. Maingon, R. Hamers and M. Segovia (Spain, UK, Belgium) 65
Surface epitope localization and gene structure of a *Babesia bovis* 44-kilodalton variable merozoite surface antigen
D.P. Jasmer, D.W. Reduker, S.A. Hines, L.E. Perryman and T.C. McGuire (USA) 75
Neutralization-sensitive merozoite surface antigens of *Babesia bovis* encoded by members of a polymorphic gene family
S.A. Hines, G.H. Palmer, D.P. Jasmer, T.C. McGuire and T.F. McElwain (USA) 85
The translation initiation site of recombinant *Trypanosoma brucei* ornithine decarboxylase varies with different promotors
D.A. Kuntz, M.A. Phillips, T.D.E. Moore, S.P. Craig III, K.E. Bass and C.C. Wang (USA) 95
Polymorphism in the circumsporozoite protein of the human malaria parasite *Plasmodium vivax*
S.H. Qari, I.F. Goldman, M.M. Povoa, S. di Santi, M.P. Alpers and A.A. Lal (USA, Brazil, New Guinea) 105
Molecular analysis of the cytosolic and glycosomal glyceraldehyde-3-phosphate dehydrogenase in *Leishmania mexicana*
V. Hannaert, M. Blaauw, L. Kohl, S. Allert, F.R. Opperdoes and P.A.M. Michels (Belgium) 115
Cloning and characterization of the gene encoding *Trypanosoma cruzi* DNA topoisomerase II
S.P. Fragoso and S. Goldenberg (Brazil) 127
A procyclin-associated gene in *Trypanosoma brucei* encodes a polypeptide related to ESAG 6 and 7 proteins
E. Koenig-Martin, M. Yamage and I. Roditi (Switzerland) 135
DNA fingerprinting of *Trypanosoma cruzi*: a new tool for characterization of strains and clones
A.M. Macedo, M.S. Martins, E. Chiari and S.D.J. Pena (Brazil) 147
Identification and expression of a *Fasciola hepatica* gene encoding a gut antigen protein bearing repetitive sequencing
M.S. Marin, M. Prieto, J.M. Martin, R. Casais, J.A. Boga and F. Parra (Spain) 155
Hycanthone resistance in schistosomes correlates with the lack of an enzymatic activity which produces the covalent binding of hycanthone to parasite macromolecules
L. Pica-Mattoccia, S. Archer and D. Cioli (Italy, USA) 167
Inhibitory monoclonal antibodies recognise epitopes adjacent to a proteolytic cleavage site on the RAP-1 protein of *Plasmodium falciparum*
P. Harnyuttanakorn, J.S. McBride, S. Donachie, H.-G. Heidrich and R.G. Ridley (UK, Germany) 177
Allelic polymorphism of the *Trypanosoma brucei* polyubiquitin gene
S. Wong, M.G. Elgort, K. Gottesdiener and D.A. Campbell (USA) 187
Stable amplification of a linear extrachromosomal DNA in mycophenolic acid-resistant *Leishmania donovani*
K. Wilson, S.M. Beverley and B. Ullman (USA) 197
The actin genes of *Onchocerca volvulus*
W. Zeng and J.E. Donelson (USA) 207
Nucleotide sequence of a representative member of a *Trypanosoma cruzi* dispersed gene family
P. Wincker, A.C. Murto-Dovales and S. Goldenberg (Brazil) 217
A *Plasmodium falciparum* gene coding for a 15-kilodalton antigen expressed in asexual stage parasites, gametocytes and gametes
G. Langsley, D.C. Kaslow, P. Barbot, T. Blisnick, T. Ponnudurai, J.-C. Barale and C. Braun-Breton (France, USA, The Netherlands) 221
Molecular cloning of cDNA and genomic sequences coding for the 35-kilodalton subunit of the galactose-inhibitable lectin of pathogenic *Entamoeba histolytica*
E. Tannich, F. Ebert and R.D. Horstmann (Germany) 225
Author Index 229
Subject Index 231
Contents of Volume 55 233

(Continued from page 4 of cover)

Hycanthone resistance in schistosomes correlates with the lack of an enzymatic activity which produces the covalent binding of hycanthone to parasite macromolecules
L. Pica-Mattoccia, S. Archer and D. Cioli (Italy, USA) 167

Inhibitory monoclonal antibodies recognise epitopes adjacent to a proteolytic cleavage site on the RAP-1 protein of *Plasmodium falciparum*
P. Harnyuttanakorn, J.S. McBride, S. Donachie, H.-G. Heidrich and R.G. Ridley (UK; Germany) 177

Allelic polymorphism of the *Trypanosoma brucei* polyubiquitin gene
S. Wong, M.G. Elgort, K. Gottesdiener and D.A. Campbell (USA) 187

Stable amplification of a linear extrachromosomal DNA in mycophenolic acid-resistant *Leishmania donovani*
K. Wilson, S.M. Beverley and B. Ullman (USA) 197

The actin genes of *Onchocerca volvulus*
W. Zeng and J.E. Donelson (USA) 207

Nucleotide sequence of a representative member of a *Trypanosoma cruzi* dispersed gene family (*Short Communication*)
P. Wincker, A.C. Murto-Dovales and S. Goldenberg (Brazil) 217

A *Plasmodium falciparum* gene coding for a 15-kilodalton antigen expressed in asexual stage parasites, gametocytes and gametes (*Short Communication*)
G. Langsley, D.C. Kaslow, P. Barbot, T. Blisnick, T. Ponnudurai, J.-C. Barale and C. Braun-Breton (France, USA, The Netherlands) 221

Molecular cloning of cDNA and genomic sequences coding for the 35-kilodalton subunit of the galactose-inhibitable lectin of pathogenic *Entamoeba histolytica* (*Short Communication*)
E. Tannich, F. Ebert and R.D. Horstmann (Germany) 225

Author Index 229

Subject Index 231

Contents of Volume 55 233